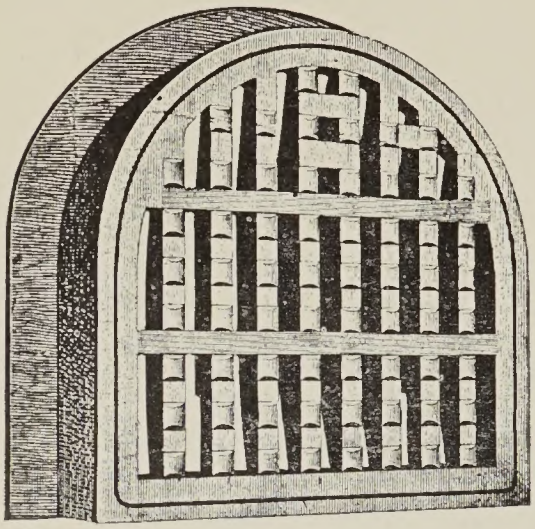
C · M · WHITE
IRON WORKS

C. M. WHITE IRON WORKS

ORNAMENTAL STRUCTURAL AND CAST IRON

20-26 BRIGHTON STREET
BOSTON, MASS.

"D" STYLE

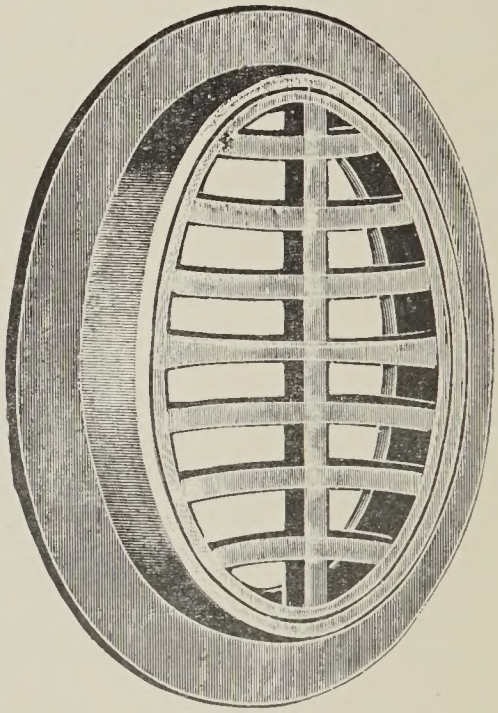


STANDARD SEWER GRATE AND FRAME

(For Street Use)

Diameter of grate	26 in.
Diameter of opening	24 in.
Width of flange	4 in.
Depth of frame	8 in.
No. 100W	**$22.00**

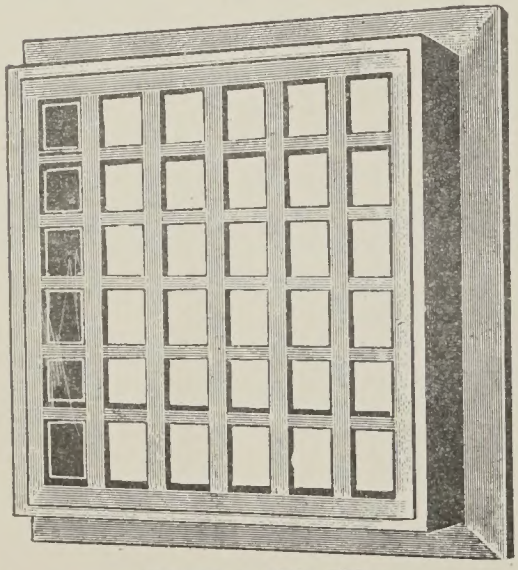
EXTRA HEAVY



OVAL CONCAVE GRATE AND FRAME

(For Gutters)

Length of opening	22 in.
Width of opening	16 in.
Width of flange	4 in.
Depth of frame	6 in.
Depth of concave	1¼ in.
No. 104W	**$18.00**



EXTRA HEAVY

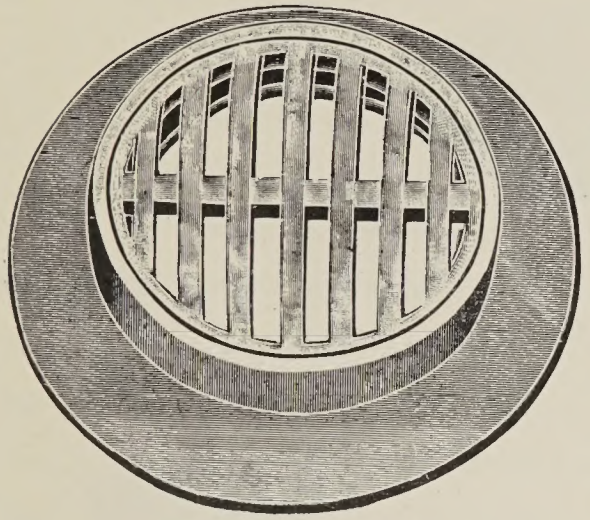
STANDARD HIGHWAY GRATE AND FRAME

No. 101W—Grate, 20″ x 20″; depth of grate, 2″	**$18.00**
No. 101½W—Grate, 22″ x 22″; depth of grate, 2″	**22.00**
No. 102W—Grate 24″ x 24″; depth of grate, 2″, reinforced to 3″ in centre	**24.00**
No. 103W—Grate 27″ x 27″; depth of grate, 2½″	**28.00**

AVERY LIBRARY
COLUMBIA UNIVERSITY

SEWER OR MANHOLE GRATE AND FRAME

(For Street Use)



HEAVY WEIGHT

No. **105W**—Opening, 15″; width of flange, 3″..... **$9.00**

No. **106W**—Opening, 18″; width of flange, 5″..... **15.00**

No. **107W**—Opening, 20″; width of flange, 5″..... **18.00**

No. **108W**—Opening, 24″; width of flange, 4½″.... **20.00**

No. **109W**—Opening, 25½″; width of flange, 6″ (concaved)..... **23.00**

SEWER MANHOLE COVER AND FRAME

(For Street Use)

No. **110W**—Diameter of cover, 18″; diameter at base, 28″..... **$15.00**

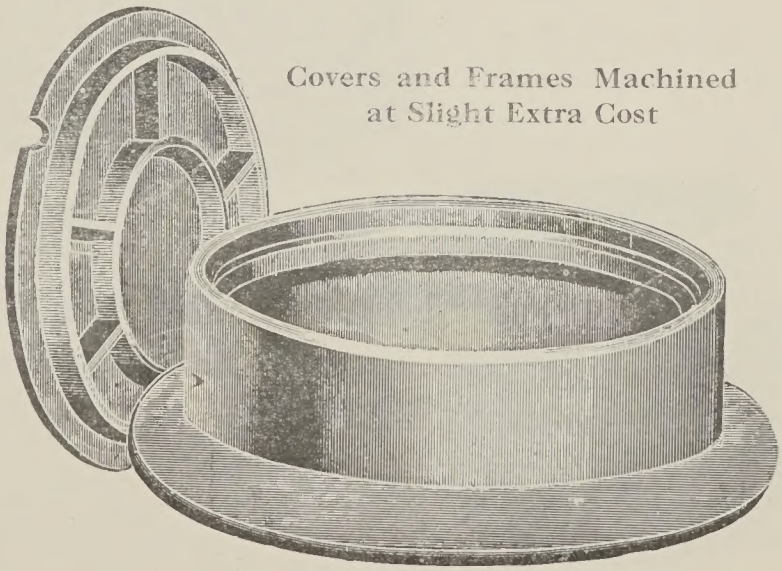
No. **111W**—Diameter of cover, 20″; diameter at base, 30″..... **18.00**

No. **112W**—Diameter of cover, 24″; diameter at base, 34″..... **20.00**

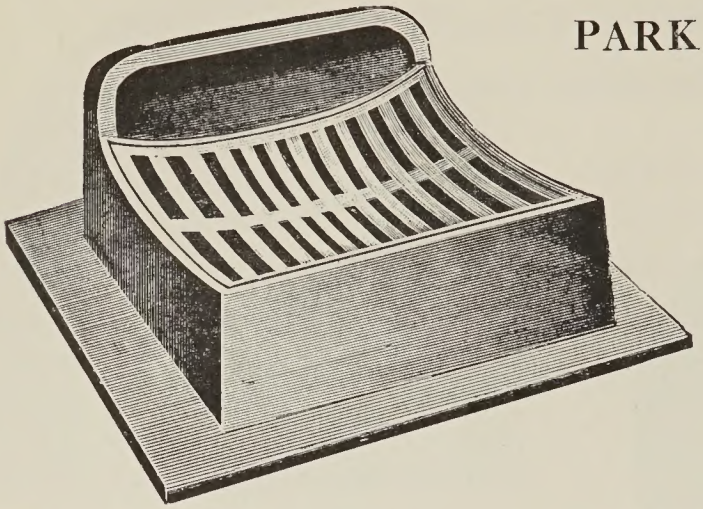
No. **113W**—Diameter of cover, 24″; diameter at base, 34″; (extra heavy pattern) **22.00**

No. **114W**—Diameter of cover, 25″; diameter at base, 35″;..... **24.00**

No. **114½W**—Diameter of cover, 26″; diameter at base, 36″; **26.00**

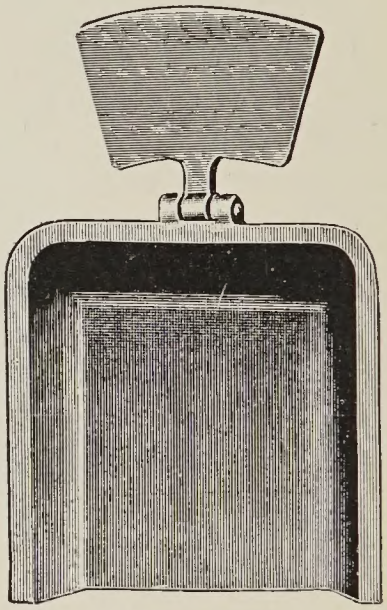


Covers and Frames Machined at Slight Extra Cost



PARK AND BOULEVARD GRATE AND FRAME

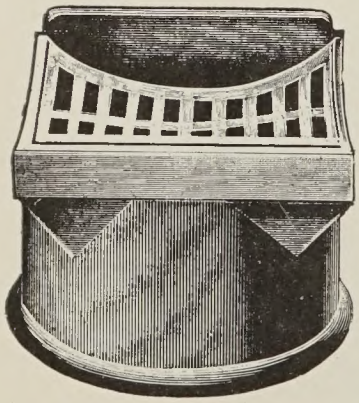
No. 115W—Size of opening, 16½″ x 16½″; size of grate, 17½″ x 17½″; depth of frame, 6″; width of flange, 4″ **$22.00**



CATCH BASIN TRAP
(Fitted With Brass Bolts)

Width of hood..... 18″
Height of hood..... 18″
Depth of hood..... 8″

No. 131W..... **$9.00**



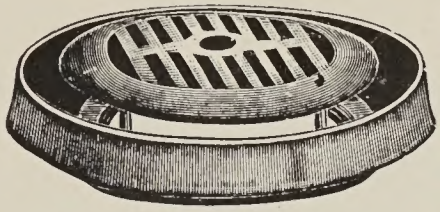
DRAIN INLET

Diameter of opening..... 12″
Diameter of spigot end.... 13″
Size of grate..... 8″ x 11″

No. 132W..... **$12.00**

CONCORD GRATE AND FRAME

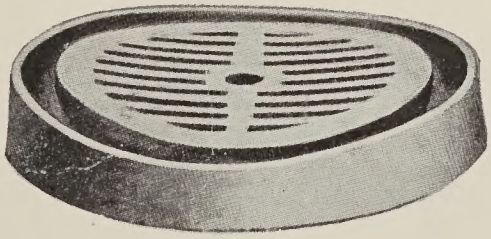
(Convex Pattern)



No. 116W— 6″ Grate with frame	$2.50
No. 117W— 8″ Grate with frame	3.50
No. 118W—10″ Grate with frame	5.00
No. 119W—12″ Grate with frame	7.50
No. 120W—14″ Grate with frame	8.50
No. 121W—16″ Grate with frame	10.00
No. 122W—18″ Grate with frame	12.00
No. 123W—20″ Grate with frame	14.50
No. 124W—24″ Grate with frame	18.00

IMPROVED CONCORD GRATE AND FRAME

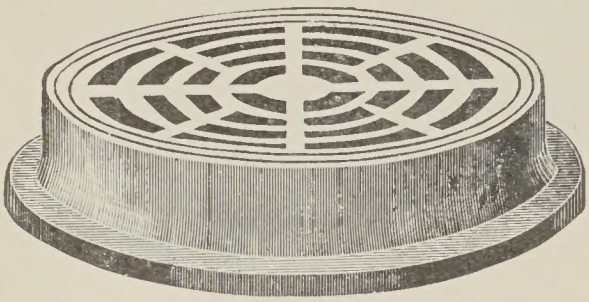
(Concaved)



No. 125W—13″ Grate with frame	$8.50
No. 126W—15″ Grate with frame	10.00
No. 127W—17″ Grate with frame	12.00
No. 128W—19″ Grate with frame	14.50
No. 129W—21″ Grate with frame	17.50
No. 130W—25″ Grate with frame	21.00

MANHOLE GRATE AND FRAME

(Heavy)



No. 136W—Diameter of grate, 15″; depth of frame, 4″ $9.00

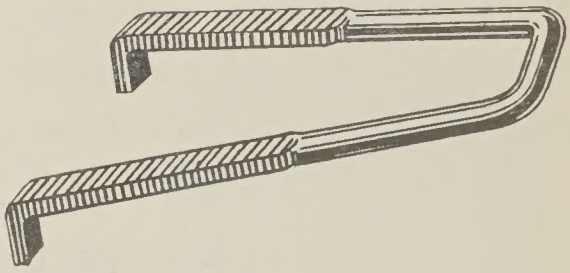
No. 137W—Diameter of grate, 24″; depth of frame, 4″ 16.00

MANHOLE STEPS

(Made in Cast or Wrought Iron)

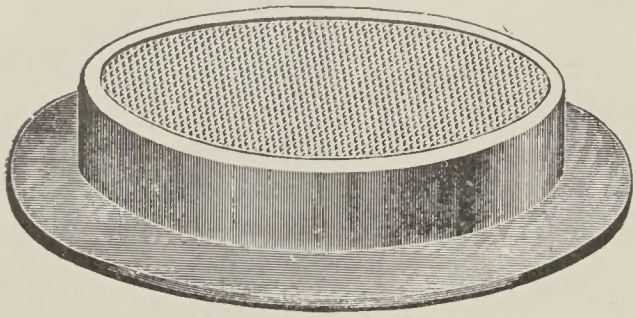
No. 164W—Prices on application.

Telephone Haymarket 4423



CHECKERED TOP MANHOLE COVER AND FRAME

(For Brick or Concrete)



No. 138W—Cover, 12″. $6.00

No. 139W—Cover, 15″. 8.50

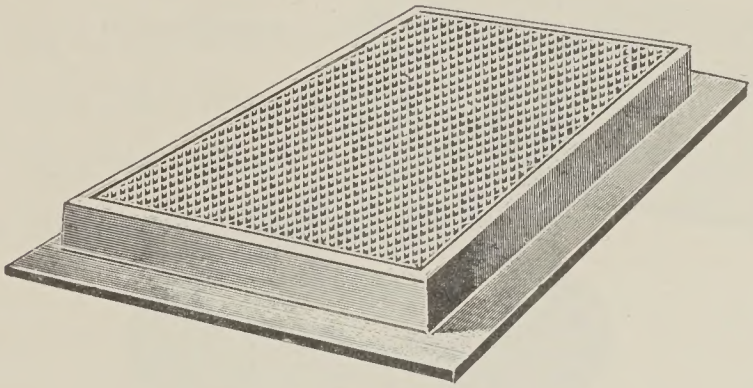
No. 140W—Cover, 18″. 10.00

No. 141W—Cover, 20″. 11.00

No. 142W—Cover, 24″. 13.00

RECTANGULAR COVER AND FRAME

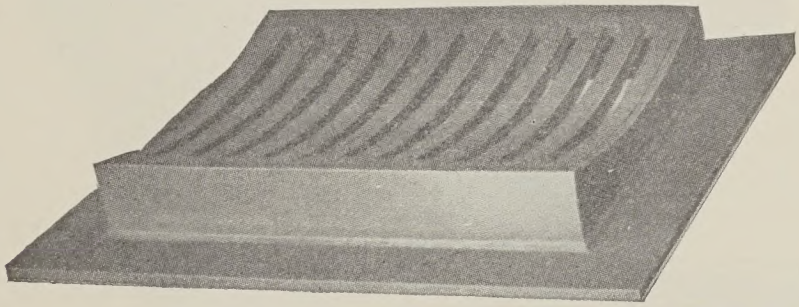
(For Brick or Concrete)



No. 156W—Cover, 12″ x 16″	$8.00
No. 157W—Cover, 18″ x 24″	13.00
No. 158W—Cover, 20″ x 32″	18.00
No. 159W—Cover, 24″ x 30″	20.00

GUTTER GRATE AND FRAME

(Concaved)

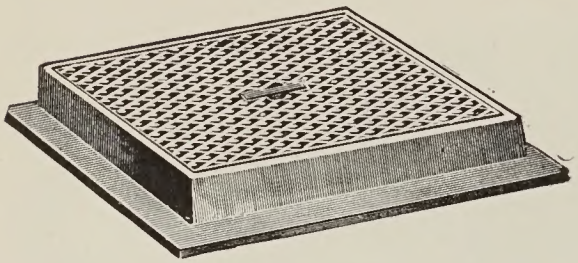


No. 134W—Grate, 12″ x 16″	$8.50
No. 135W—Grate, 18½″ x 23″	12.50

Depth of frame, 3½″

SQUARE COVER AND FRAME

(For Brick or Concrete)



No. 160W—12″ x 12″	$6.00
No. 161W—18″ x 18″	9.00
No. 162W—20″ x 20″	11.00
No. 163W—24″ x 24″	13.00

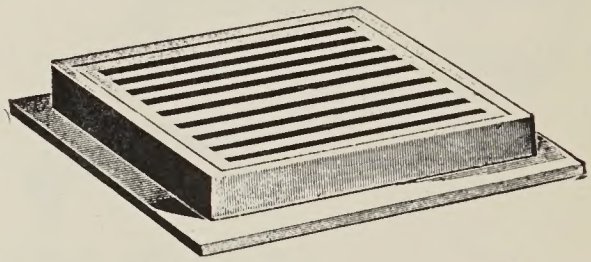
Frame, 3″ deep

SQUARE GRATE AND FRAME

(For Brick or Concrete)

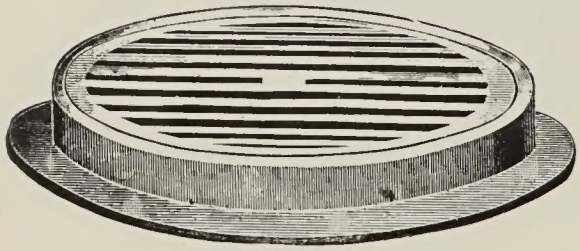
No. 165W—12″ x 12″	$6.00
No. 166W—18″ x 18″	9.00
No. 167W—20″ x 20″	11.00
No. 168W—24″ x 24″	13.00

Frame, 3″ deep



ROUND GRATE AND FRAME

(For Brick or Concrete)



No. 151W—Grate, 12″	$6.00
No. 152W—Grate, 15″	8.00
No. 153W—Grate, 18″	10.00
No. 154W—Grate, 20″	11.00
No. 155W—Grate, 24″	13.00

Frame, 3″ deep

WATER-TIGHT MANHOLE COVERS AND FRAMES

LIGHT PATTERN

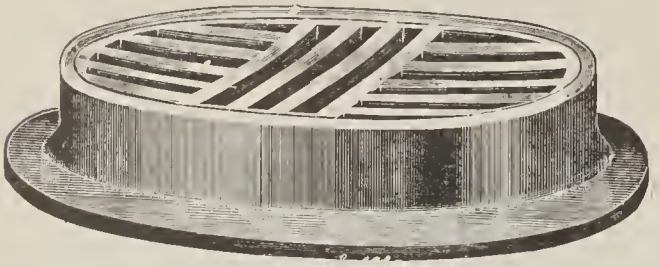
Fitted with Rubber Gasket and Brass Bolts

No. C-20—Cover, 20″ diameter **$27.00**

No. C-24—Cover, 24″ diameter **30.00**

Fitted with Inside Cover, Rubber Gasket and Locking Bar

No. 35 W. T.—Diameter of outside cover, 24″ **$40.00**



GUTTER GRATE AND FRAME

(Concaved)

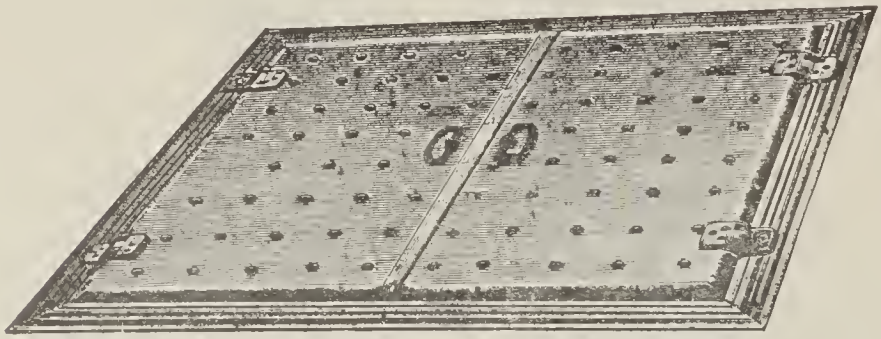
No. 183W—10″ x 16″ . . . $7.50

No. 184W—11″ x 22″ . . . 10.00

Frame, 3″ deep

SIDEWALK OR VAULT DOORS

(Wrought Iron)



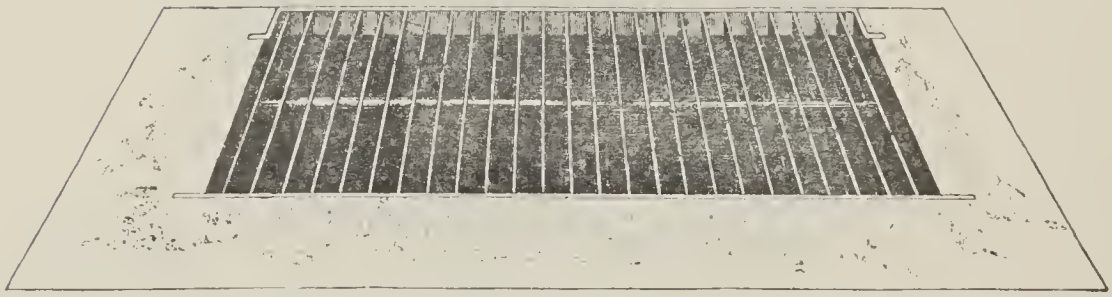
No. 204W

Any size or style doors made to order.

Prices on application.

SIDEWALK AREA GRATING

(Wrought Iron)



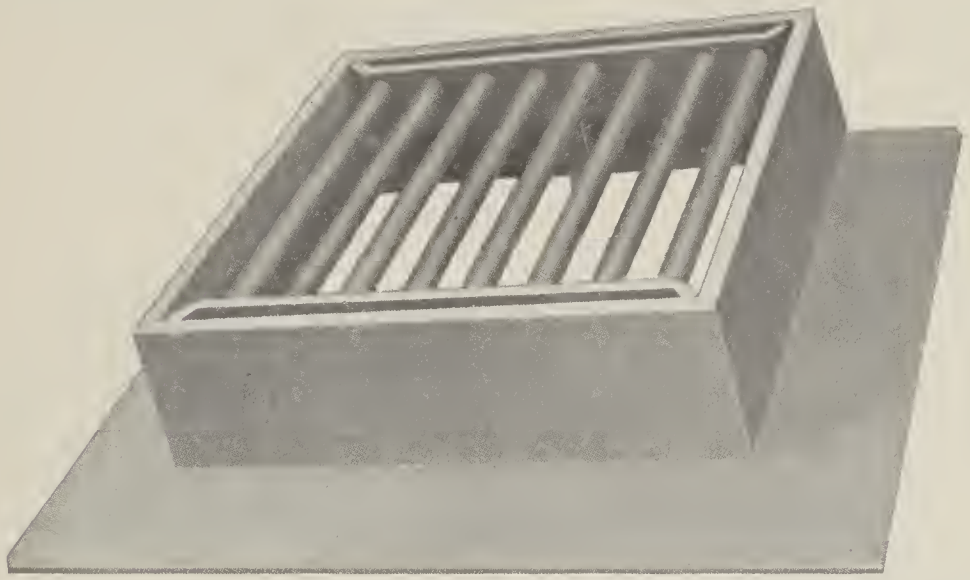
No. 202W—Without frame—per square foot $1.50

No. 203W—With outside border frame—per square foot 2.50

Any Size Gratings Made to Order Promptly

WROUGHT IRON CATCH BASIN GRATE AND FRAME

(For Street Drainage)



REQUIREMENTS OF A SEWER GRATE

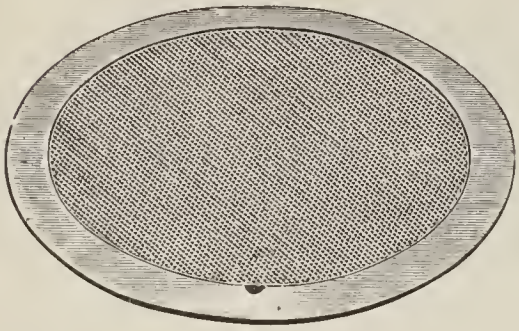
Capacity --- Strength --- Durability

Frame of heavy cast iron, with flange on three sides. Grate made of 1¼″ round iron bars, set in 2¾″ x ½″ heavy iron frame. Strong enough to stand any kind of traffic. Will allow the water to run through rapidly, and cannot be filled by leaves or debris.

No. 220W—Grate, 17″ x 17″ **$18.00**

No. 221W—Grate, 20″ x 20″ **20.00**

No. 222W—Grate, 24″ x 24″ **24.00**



MEDIUM WEIGHT

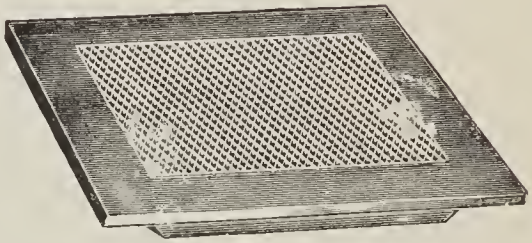
PEBBLE TOP CESSPOOL COVER AND FRAME

No. 143W—Cover, 18″; frame, 25″	**$3.00**
No. 144W—Cover, 20″; frame, 25″	**4.00**

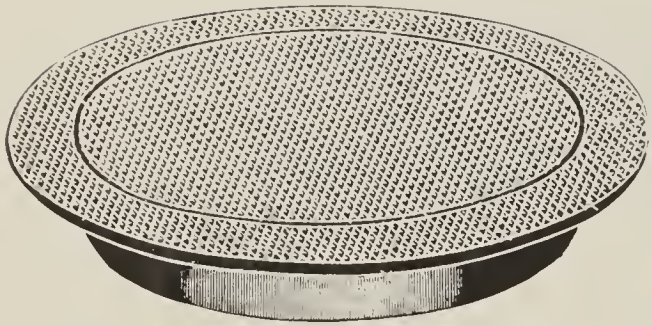
SQUARE COVER AND FRAME

No. 196W—18″ x 18″	**$9.00**
No. 197W—20″ x 20″	**11.00**

For Wood Floor



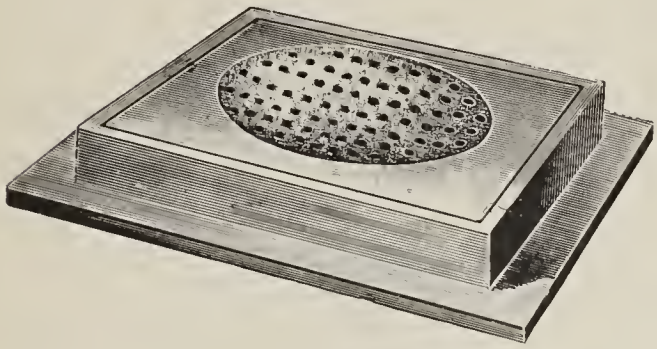
COAL HOLE COVER AND FRAME



DOUBLE HEAVY

No. 145W—Cover, 12″; frame, 15″	**$4.00**
No. 146W—Cover, 14″; frame, 18″	**5.00**
No. 147W—Cover, 16″; frame, 20″	**6.50**
No. 148W—Cover, 18″; frame, 23″	**7.50**
No. 149W—Cover, 20″; frame, 25″	**9.50**
No. 150W—Cover, 24″; frame, 29″	**11.00**
No. 150½W—Cover, 24″; frame, 30″ (SPECIAL HEAVY)	**14.00**

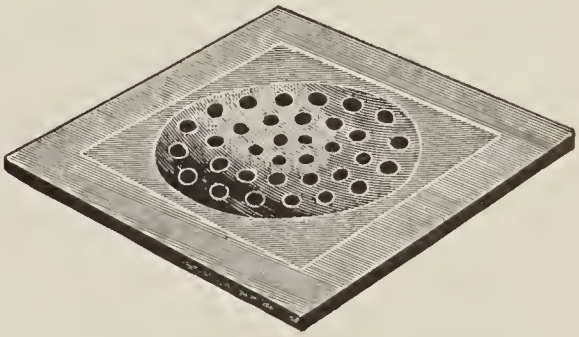
STRAINER WITH FRAME

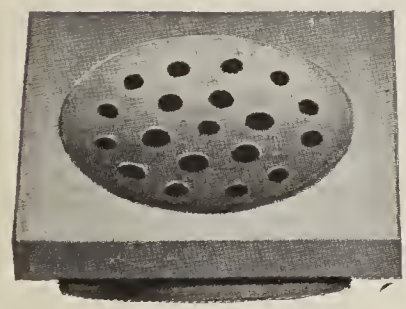


No. 178W—6″ x 6″ with frame	**$2.00**
No. 179W—8″ x 8″ with frame	**3.00**
No. 180W—10″ x 10″ with frame	**5.00**
No. 181W—12″ x 12″ with frame	**6.00**
No. 182W—18″ x 18″ with frame	**8.00**

STRAINERS FOR WASHROOMS AND YARDS

No. 188W—6″ x 6″	**$0.40**
No. 189W—8″ x 8″	**.60**
No. 190W—9″ x 9″	**.70**
No. 191W—10″ x 10″	**.80**
No. 192W—12″ x 12″	**1.25**
No. 193W—14″ x 14″	**1.50**
No. 194W—16″ x 16″	**2.25**
No. 195W—18″ x 18″	**2.75**

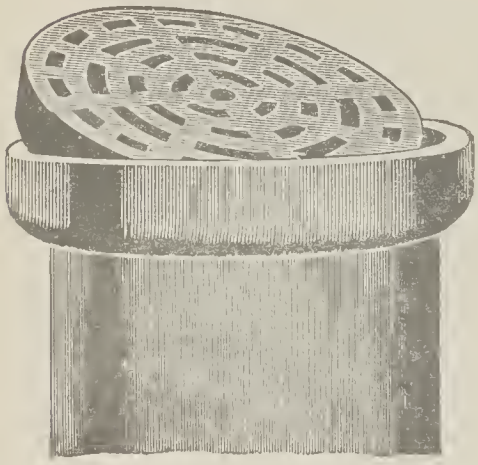




YARD STRAINER WITH OUTLET

(To Connect with 4″ Pipe)

No. 200W—6″ x 6″ **$2.00**



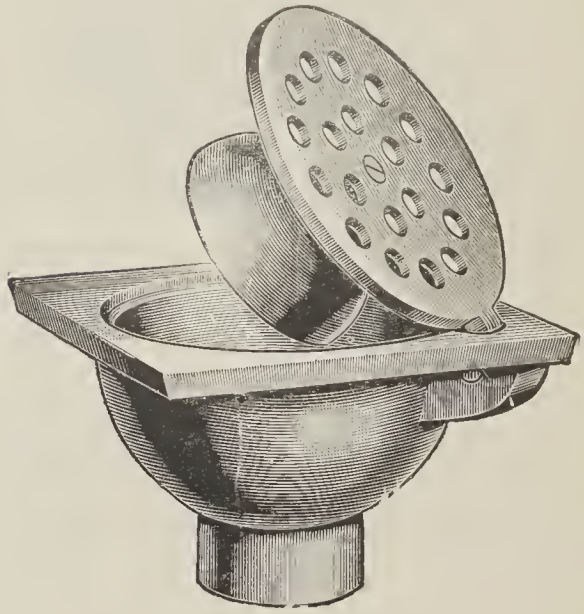
AKRON PIPE GRATES

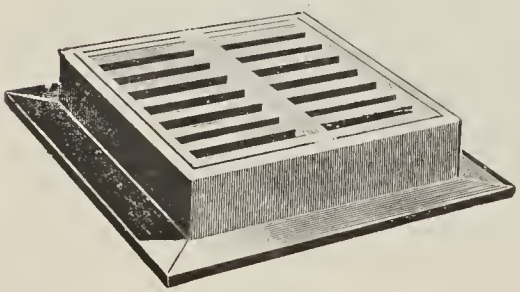
No. 169W—Fit hub end 4″ pipe..	$.60
No. 170W—Fit hub end 5″ pipe..	.80
No. 171W—Fit hub end 6″ pipe..	1.00
No. 172W—Fit hub end 8″ pipe..	1.30
No. 173W—Fit hub end 10″ pipe.	1.75
No. 174W—Fit hub end 12″ pipe.	2.50
No. 175W—Fit hub end 15″ pipe.	4.00
No. 176W—Fit hub end 18″ pipe.	8.00
No. 177W—Fit hub end 21″ pipe.	10.00

BELL TRAP CESSPOOL

No. 16W—6″ x 6″—Outlet, 2″	$1.50
No. 17W—8″ x 8″—Outlet, 2″	2.00
No. 18W—9″ x 9″—Outlet, 4″	2.00
No. 19W—10″ x 10″—Outlet, 4″	3.00
No. 20W—12″ x 12″—Outlet, 4″	3.50

Fitted with Hinged Strainer





SQUARE GRATE AND FRAME

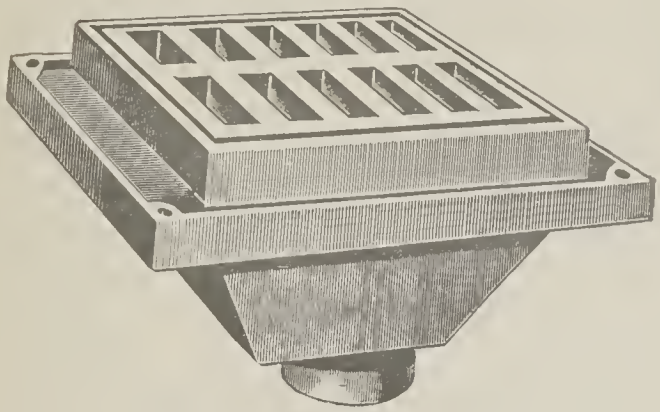
(Heavy Pattern)

No. 185W—Grate, 12″ x 12″..	$7.00
No. 186W—Grate, 13″ x 13″..	8.00
No. 187W—Grate, 23″ x 19″..	13.00

Frame, 3½″ deep

HEAVY BELL TRAP CESSPOOL

(For Inside Caulking)



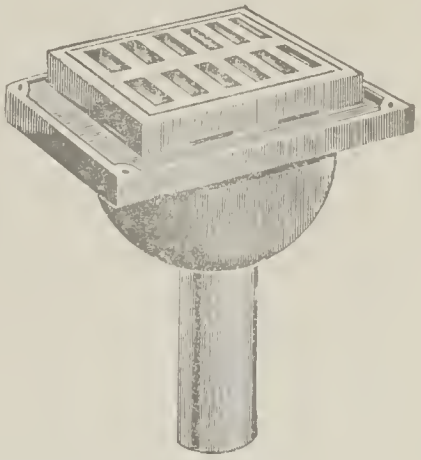
Water-tight Edges

No. 28W—Grate, 8″ x 8″; Outlet, for 3″ pipe **$5.00**

No. 29W—Grate, 10″ x 10″; Outlet, for 4″ pipe **7.00**

BELL TRAP CESSPOOL

(For Concrete)



No. 32W—Grate, 6″ x 6″; 3″ Outlet **$4.00**

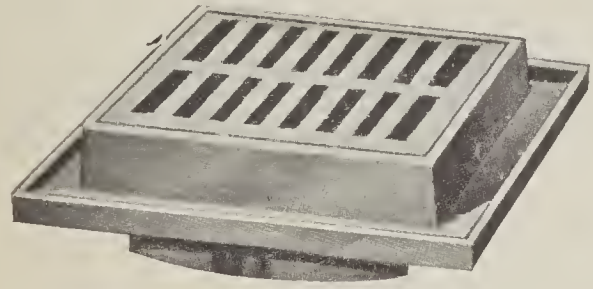
No. 33W—Grate, 8″ x 8″; 3″ and 4″ Outlet **5.00**

No. 34W—Grate, 10″ x 10″; 4″ Outlet . . . **7.00**

Brass Grates Furnished at Extra Cost

GRATE AND FRAME

(With Outlet)



No. 198W—Grate, 6″ x 6″; 2″ or 3″ Outlet **$2.50**

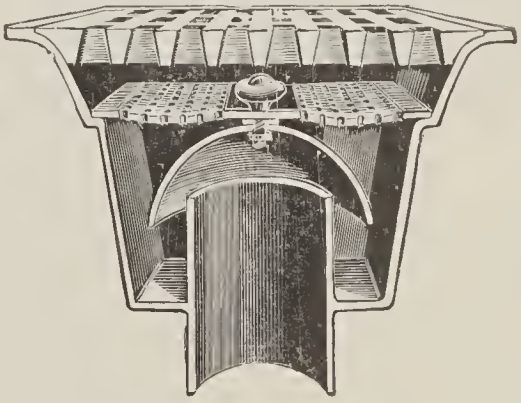
No. 199W—Grate, 8″ x 8″; 3″ or 4″ Outlet **3.00**

No. 199½W—Grate, 12″ x 12″; 5″ or 6″ Outlet—heavy **10.00**

(For Use in Laundries)

STABLE AND GARAGE DRAIN

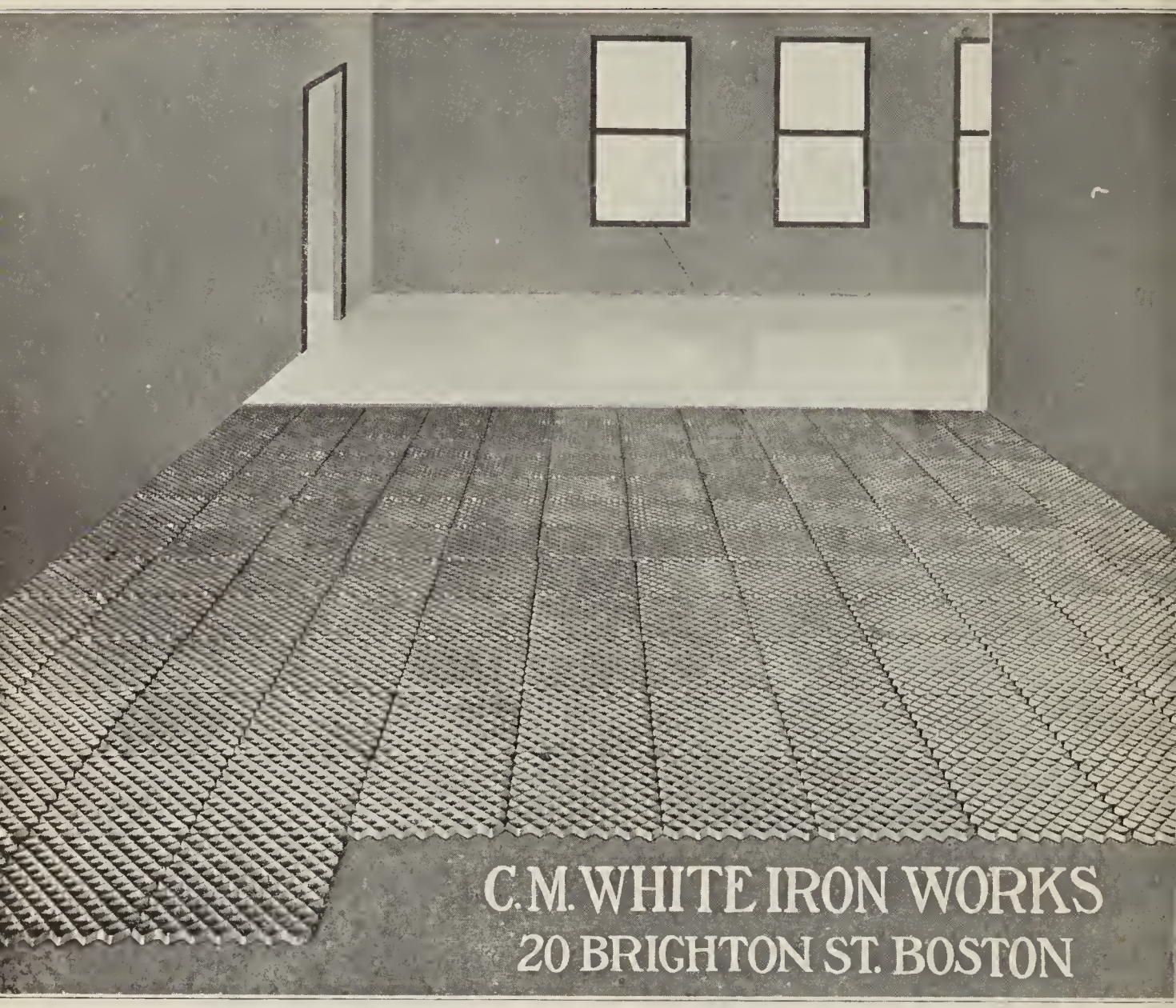
(With Inside Strainer)



No. 36W—12″ x 12″ x 10″; Outlet, 4″ Pipe **$6.00**

No. 37W—16″ x 16″ x 10″; Outlet, 4″ Pipe **8.00**

CAST IRON CONCRETE FLOOR GRIDS



We recommend the use of Cast Iron Grids for concrete reinforcement in all types of buildings, especially for reinforcing the concrete against breakage in packing houses, ice plants, garages, bottling plants, industrial plants, and public buildings where there is constant traffic over the floors. Concrete floors, driveways, walks, loading platforms, are all easily broken up by constant traffic or trucking over same, and especially by dropping of heavy material while loading or unloading stock.

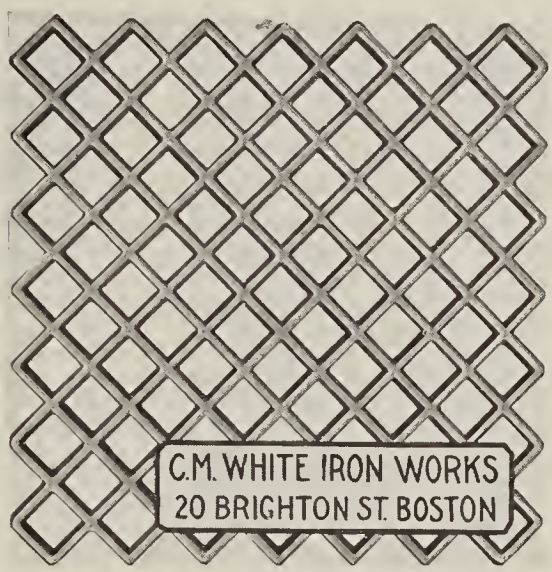
For milk plants these grids are effective, as they prohibit the acid eating away the concrete, as the small openings in the cast iron grid prevent any crack or hole from becoming larger. The edges of the iron prevent the concrete floors from being slippery when damp or wet, and give a firm, level surface to all floors.

LARGE GRID PLATE

24″ x 24″ x 1″

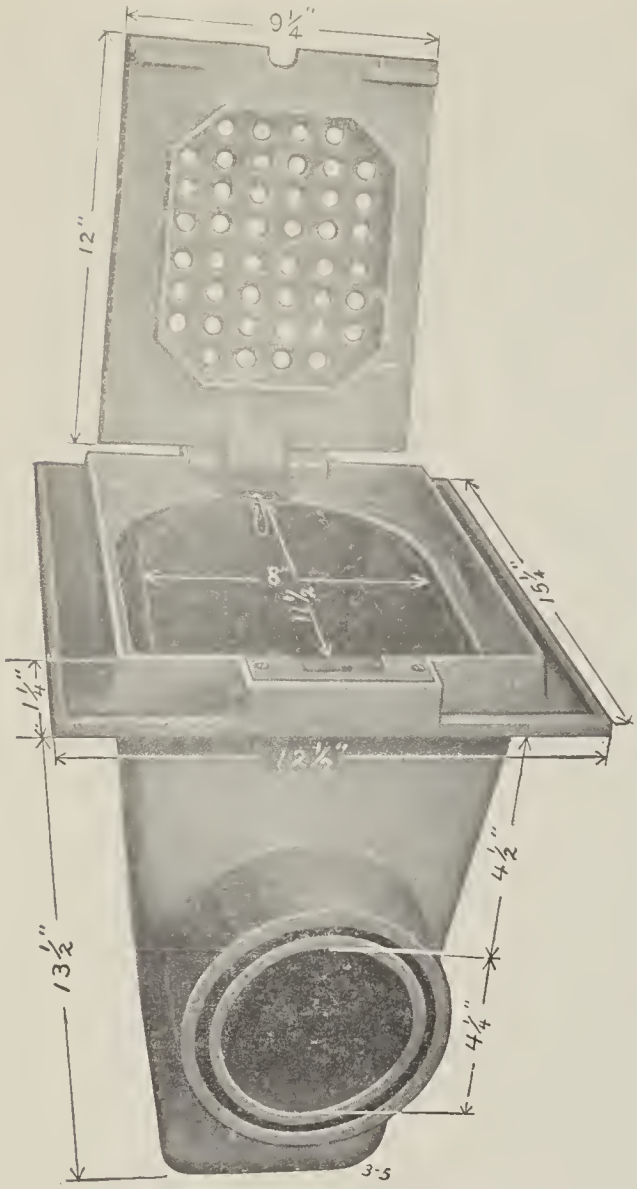
SMALL GRID PLATE

12″ x 12″ x ½″



Grid plates will make your floor smooth and dry and prevent holes that hold dirt and water. When set, they give the appearance of a tiled floor. Wherever they have been installed they have given satisfaction, and have sold others.

LYNN DRAIN TRAP



END VIEW COVER OPEN
Measurements of No. 1 Size

No. 205W—No. 1 Size—
all iron **$23.00**

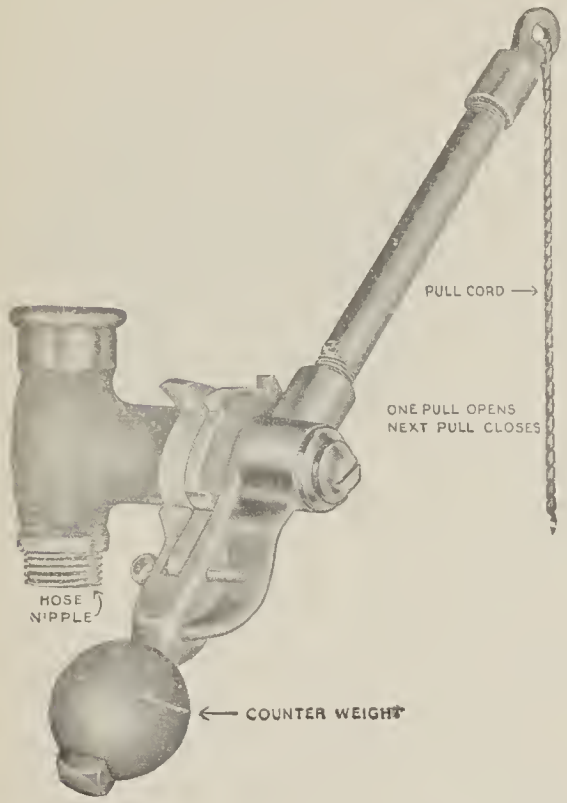
No. 206W—No. 3 Size—
all iron **40.00**

Prices for cast steel or brass tops on application.

SIDE VIEW

This trap will hold back the oil, gasoline, mud and sediment so that the water enters the drain practically clear. We also make the No. 3 trap with certain changes, and designate same as Swift Model, No. 3. The outside upwardly extending flange is made 2″ higher than the regular trap, so that a tile floor may be laid around the trap. This increases the over-all depth, thereby increasing the sand holding capacity 33⅓%. Sand holding capacity of the Lynn traps is as follows:

No. 1 Trap.	5 quarts of sediment
No. 3 Trap.	8 quarts of sediment
No. 3 Swift Model.	12 quarts of sediment



UNIVERSAL WATER SAVER

(Supply End Tapped for ¾" Iron Size)

It is technically a self-closing faucet which is opened by a lever operating a toothed wheel which has a cam face on one side operating on a corresponding cam face on the "body" of the fixture.

The action of these cam faces withdraws the plunger and permits the full flow of the water.

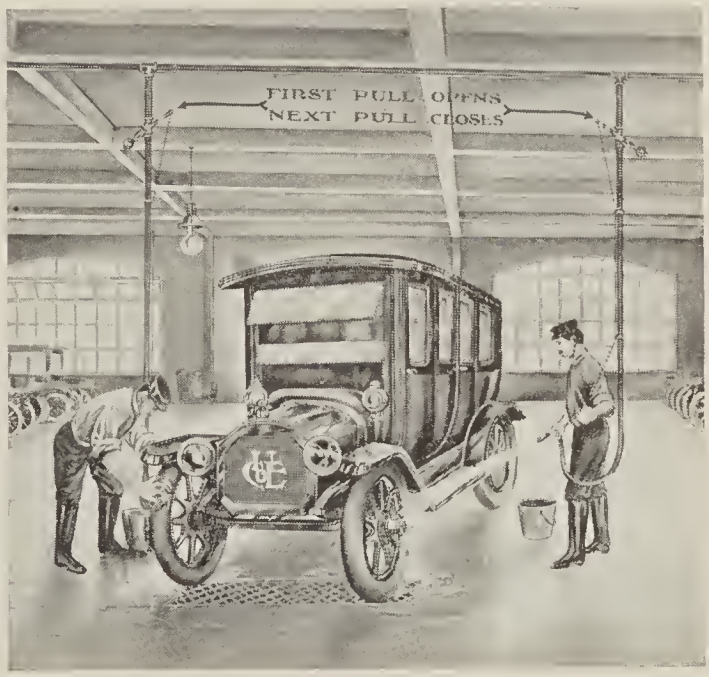
This lever should be pulled down to the positive stop point, which brings the cam faces "on center" and the waterway is open. Then release the string and the counterweight carries the lever into its original position so that the pawl engages the next tooth in the cam wheel and when you wish to shut off the water you again pull the string, which action carries the cam faces "over and off center" and the spring pushes the plunger forward and closes the waterway. Tested to 150 lbs.

These are used in washing automobiles and will cut the water bill in half, by allowing no waste of water.

WATER SAVER IN ACTION

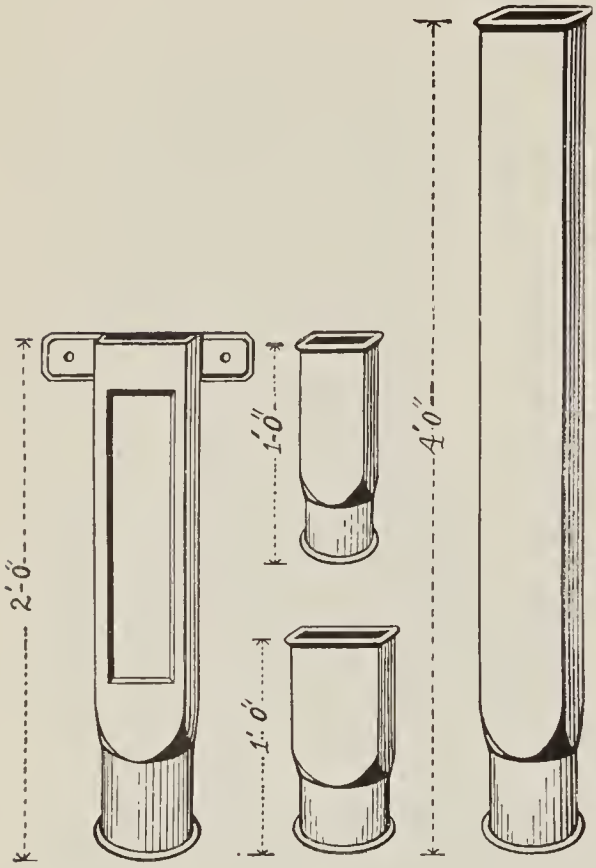
No. 8W—Fitted for ¾" supply pipe, list **$13.00**

These water savers are in use in all the leading garages and give entire satisfaction.



FEDERAL AUTO WASHER

No. 4W—Wrought iron arm; heavy brass center; malleable iron brace; all galvanized . . **$13.00**



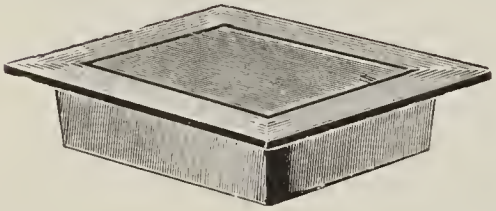
CONDUCTOR BOXES OR LEADER SHOES

We carry all types of conductor boxes and can make special types by slight alteration to our patterns.

We also manufacture cast iron scuppers of three different types.

Prices given on application.

STOP COCK BOX

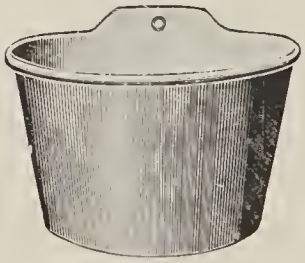


No. 201W—6″ x 6″ **$2.50**

We make round stop cock boxes with hinged covers in 6″ and 8″ diameter.

WATER BUCKET

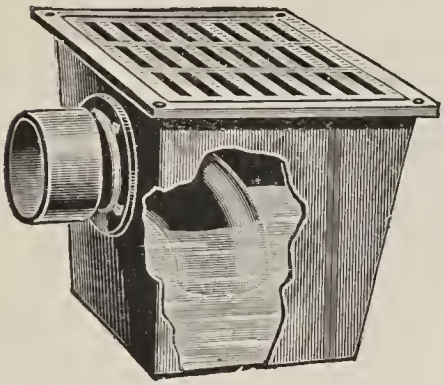
(With Plug Outlet)



Tapped for ¾″ Gas Pipe

No. 72W **$3.00**

Capacity, 3½ Gallons



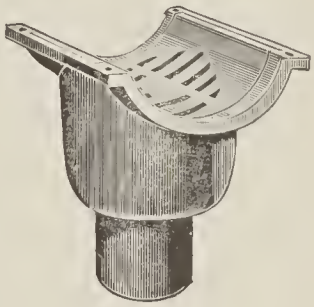
GARAGE MUD TRAP

No. 9W—12″ x 13″; Outlet, 4″ Pipe **$10.00**

(For Wood or Concrete Floor)

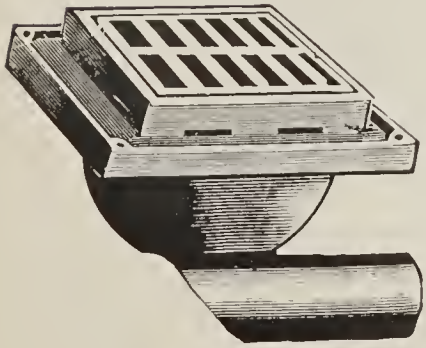
CESSPOOL FOR GUTTER

(Concaved)



No. 12W—8″ x 8″—Outlet, 3″ **$4.50**

No. 13W—10″ x 10″—Outlet, 4″ **6.50**



SIDE OUTLET BELL TRAP CESSPOOL

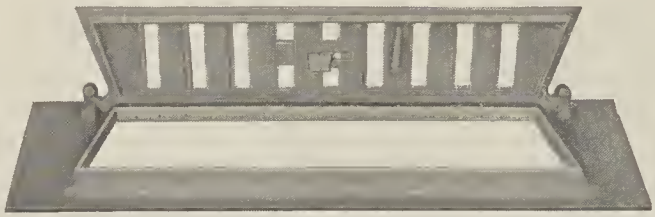
(For Concrete)

No. 24W—8″ x 8″—Outlet, 3″ **$6.00**

No. 25W—8″ x 8″—Outlet, 4″ **6.00**

Prices on Brass Grates on Application

TIP AND SLIDE DAMPER



Extreme Length	*Length of Front Opening*	*Depth of Opening*	*List*
26″	19¼″	6″	$3.00
30″ and 32″	23½″	6″	3.75
36″ and 39″	30¼″	6″	5.00
44″	39″	6″	6.00
49″	43½″	6″	6.00
54″	48″	6″	7.00

We carry angle and flat bars for fireplaces.

THROAT DAMPER

Width of Finished Fireplace	*Width of Inside of Back at Base*	*List*
24″	14″	$5.00
30″	20″	6.00
36″	26″	7.00
42″	32″	8.50
48″	38″	10.00
54″	44″	12.00
60″	50″	13.50

ROTARY DAMPER

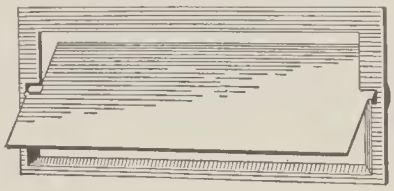
Complete with Brass Handles

Width of Fireplace	*List*
24″	$6.00 each
30″	7.00 each
36″	8.00 each
42″	9.50 each
48″	11.00 each
54″	13.00 each
60″	14.50 each

CLEANOUT DOOR

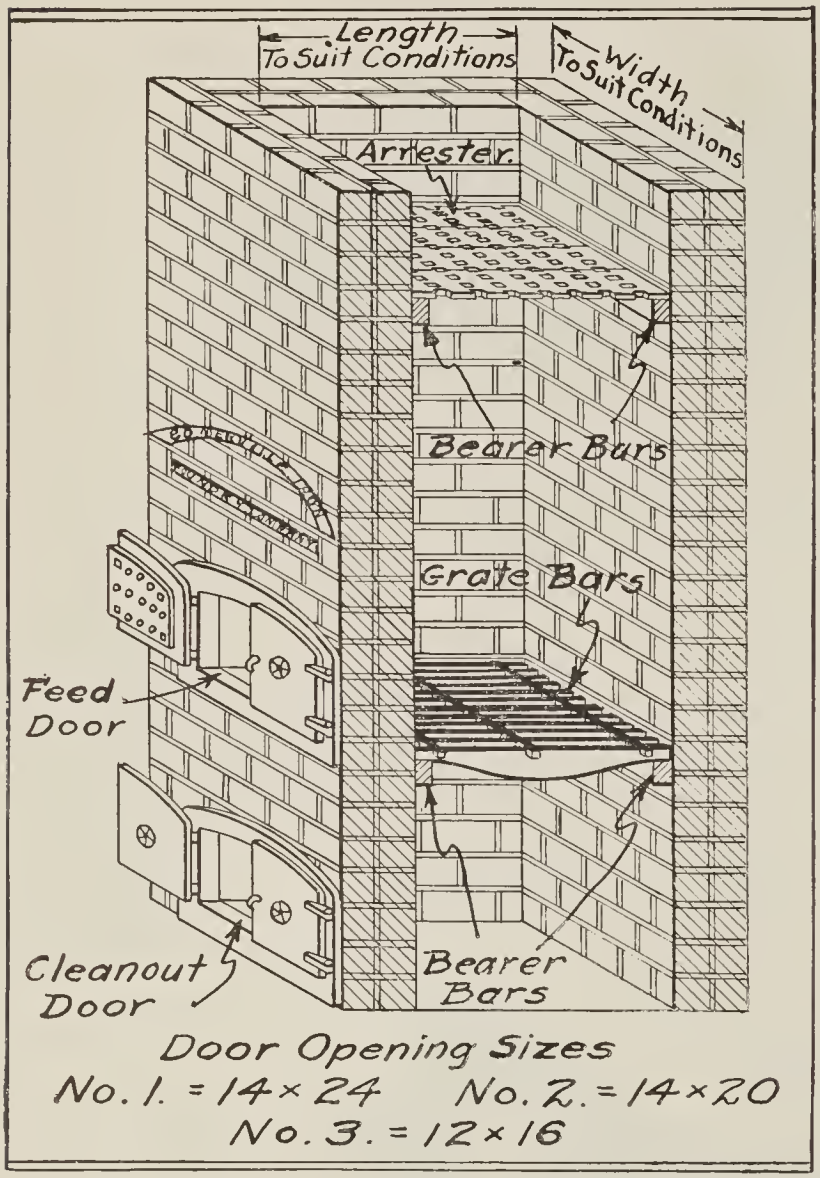
7″ x 9″	$1.25
10″ x 12″	2.00
12″ x 16″	4.00
16″ x 20″	6.00
16″ x 24″	7.00

ASH DUMP



6½″ x 9½″ $0.75

Our ash dumps are exact size, with a deep flange to hold them in the brick.



WASTE PAPER BURNER

	Door Opening	Set of Feed and Ash Doors
No. 1	14″ x 24″	$29.50
No. 2	14″ x 20″	27.00
No. 3	12″ x 16″	21.00

Extra Castings Required

Grates—including bearer bars, sq. ft. . . **$4.00**

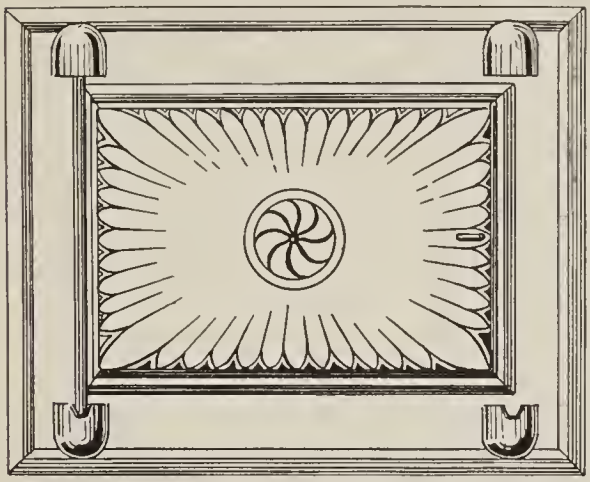
Arrester—including bearer bars, sq. ft. . . **2.40**

Arrester—made 1″ thick, sq. ft. **4.75**

Used in schools, hospitals, mercantile buildings and apartment houses.

CHIMNEY SCROLLS

We carry in stock cast iron chimney scrolls as illustrated, or we can manufacture any design wrought iron chimney scrolls from designs furnished.



BOILER DOOR

(Heavy)

High	*Wide*	*List*
14½″	14½″	$8.50
18″	18″	10.25
20″	16″	10.25
24″	18″	12.00
24″	24″	14.00
30″	24″	18.00
30″	30″	24.00

MAJESTIC COAL WINDOWS

Steel Door

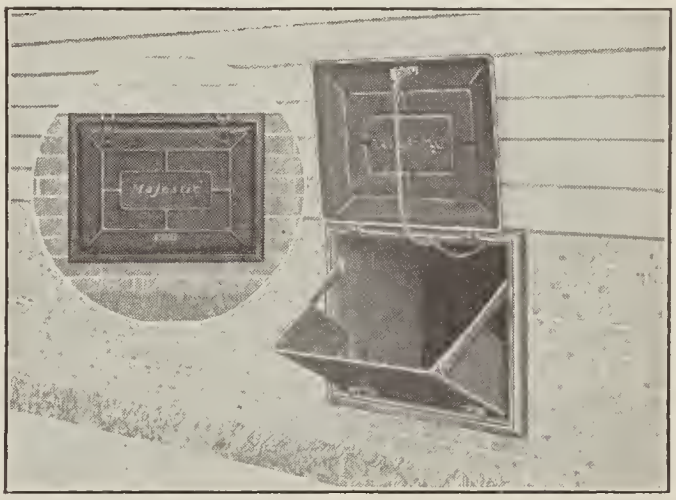
M101B—23″ x 17″	$13.00
M101D—23″ x 17″	11.50
M203B—32″ x 22″	25.00
M500 —23″ x 17″	10.00

Glass Panels

M10A—23″ x 17″	$16.00
M10C—23″ x 17″	14.50
M20A—32″ x 22″	28.00
M600 —23″ x 17″	13.50

Grade Line

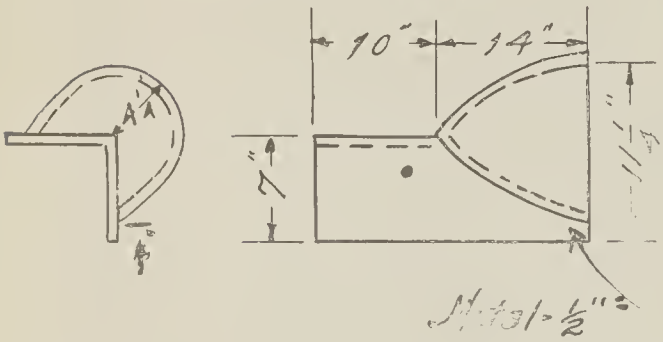
M16—25″ x 25″	$34.00
M18—31″ x 31″	49.00



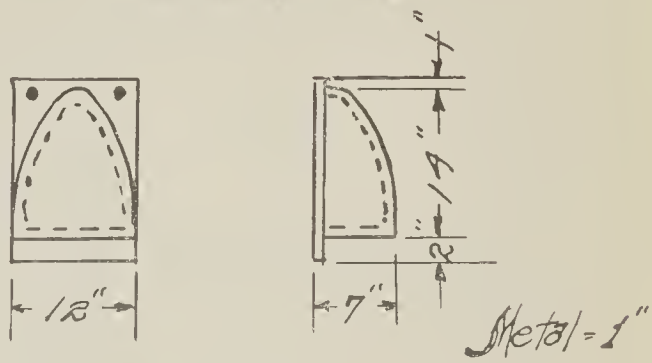
Coal windows have malleable iron frames, doors and hinges, and copper-steel bodies reinforced in angle iron. These Majestic Coal Windows are used extensively throughout New England in the better homes, office buildings, warehouses and factories.

HEAVY CAST IRON DOOR FENDERS

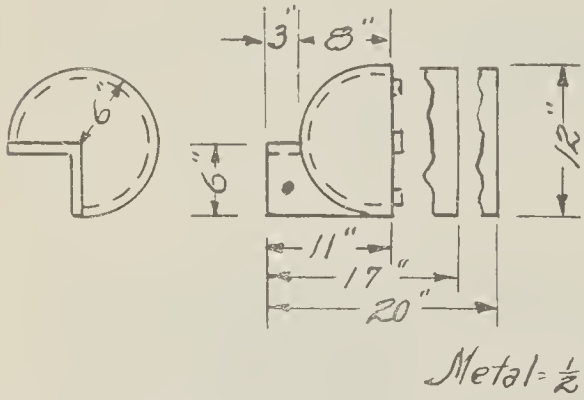
Pattern C-1



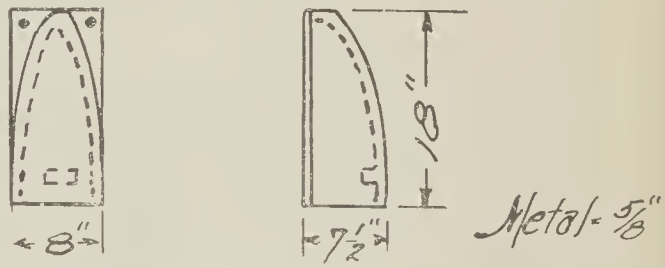
Pattern F-1



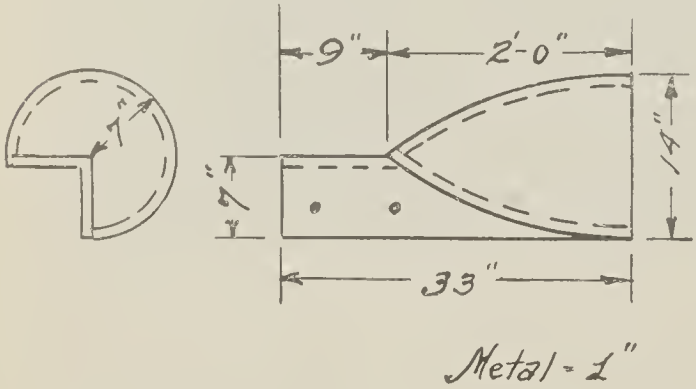
Pattern C-2



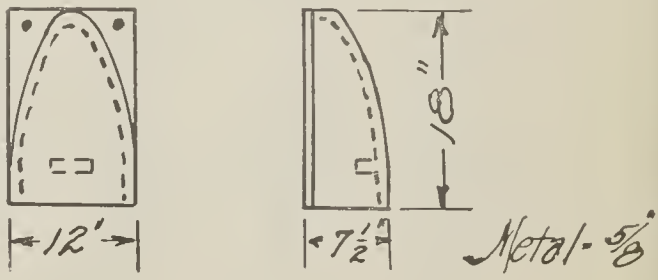
Pattern F-2



Pattern C-3



Pattern F-3

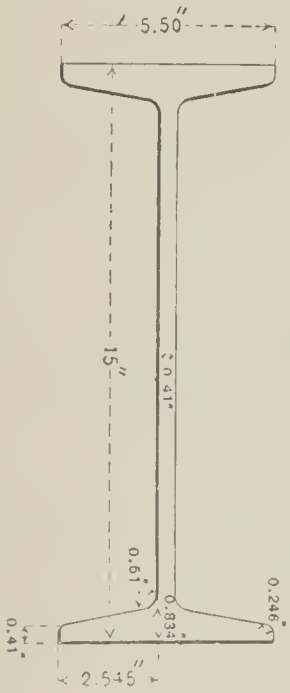


	Each
C1—24″ High	$9.00
C2—11″ High	7.50
C2—17″ High	9.50
C3—33″ High	18.75

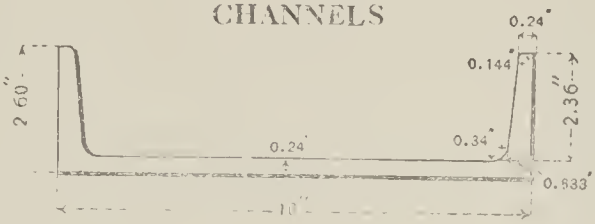
	Each
F1—14″ High	$8.00
F2—18″ High	7.00
F3—18″ High	7.50

IRON WORK

I BEAMS



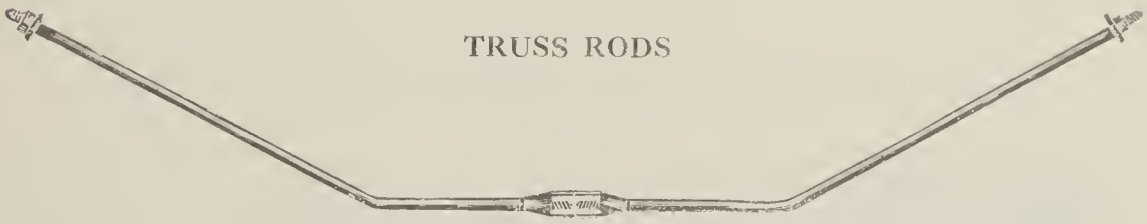
CHANNELS



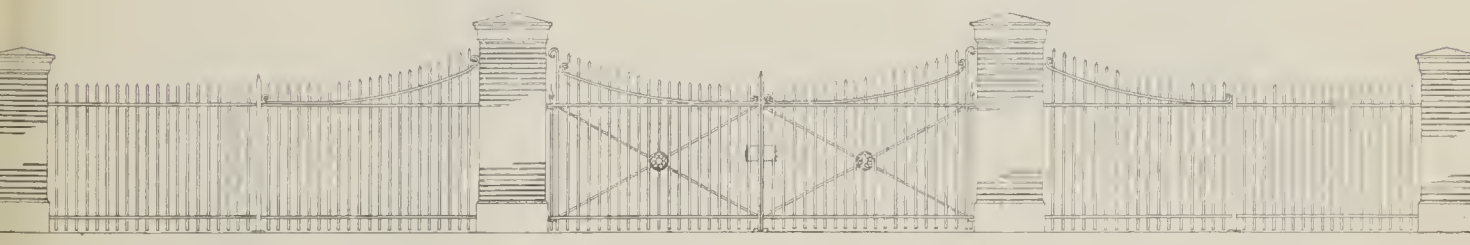
Structural steel, including beams, channels, angles, trusses, lintels, fabricated in our shop. Prices given on anything in the structural line.

Call Haymarket 4422, and our representative will call.

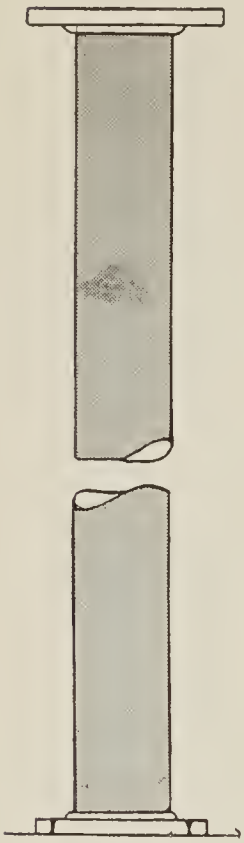
TRUSS RODS



ORNAMENTAL FENCES AND GATES



We will make drawings and submit prices without charge on anything in ornamental iron fences, gates, fire escapes, spiral stairs, balcony and porch railings. All work can be inspected in process at our shop. We manufacture wire office enclosures, bank grilles, window guards, enclosures for tool rooms, and machinery guards.



CEMENT FILLED COLUMNS

CARRYING CAPACITY IN TONS

Diameter	Length of Column in Feet										
	6′	7′	8′	9′	10′	11′	12′	13′	14′	15′	16′
	Tons	Tons	Tons	Tons	Tons	Tons	Tons	Tons	Tons	Tons	Tons
3″	6	6	5	....	....	....	....	....	....	....	....
3½″	9	9	8	8	7	....	....	....	....	....	....
4″	13	13	12	12	11	10	....	....	....	....	....
4½″	14	14	13	13	12	11	10	....	....	....	....
5″	20	20	19	19	18	18	17	17	16	....	....
6″	28	28	27	27	26	26	25	24	23	23	22

We carry a complete line of cement filled columns—heavy and light weight. Columns can be made with bracket beam caps if desired.

Prices on application. Telephone Haymarket 4422.

TIMBER HANGERS

We carry all sizes of single and double hangers in stock. We can make heavy wrought iron hangers from architects' specifications in our shop—also wrought iron timber irons, anchors, tie rods and dogs.

WROUGHT IRON STALL GUARD

(5/8″ Round Uprights)

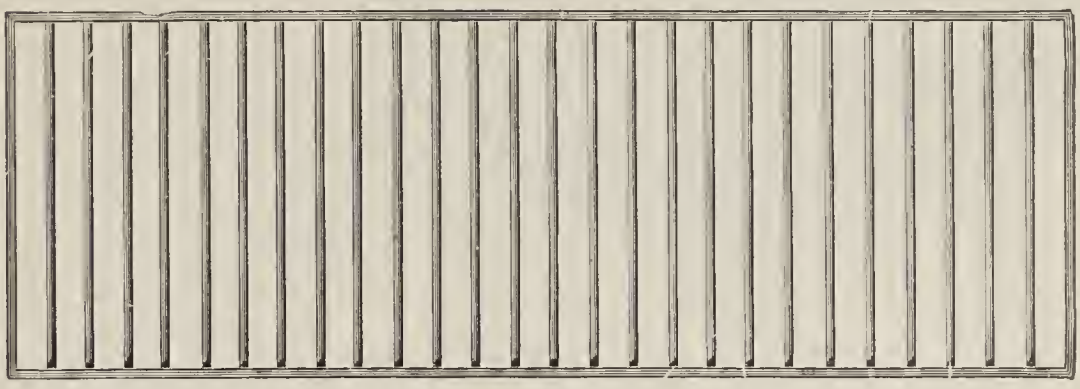


Figure 203A

Height, 28″—any length made to order; per lineal foot $2.25

Special guards from architects' drawings made to order, with or without steel panel.

SQUARE OR ROUND END STALL GUARD

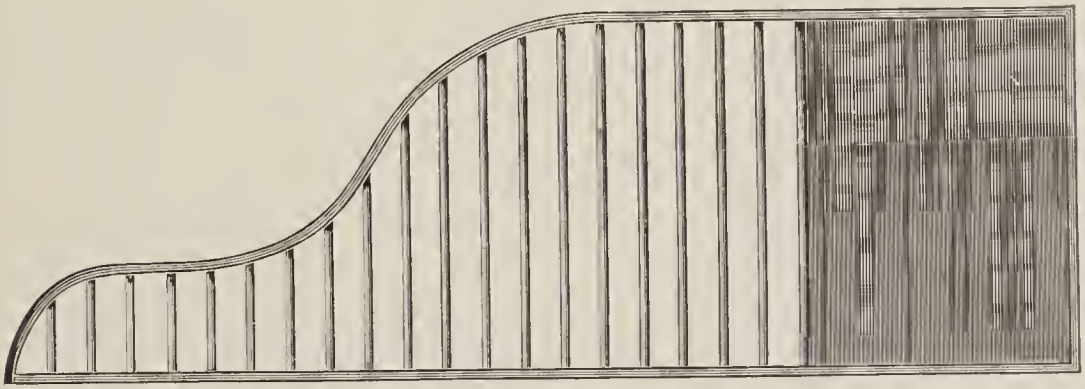


Figure 201A

Length, 7′, 6″ $19.00
Length, 8′ 20.00
Length, 8′, 6″ 21.00
Length, 9′ 22.00

Bars, 5/8″ Round — Height, 2′, 4″

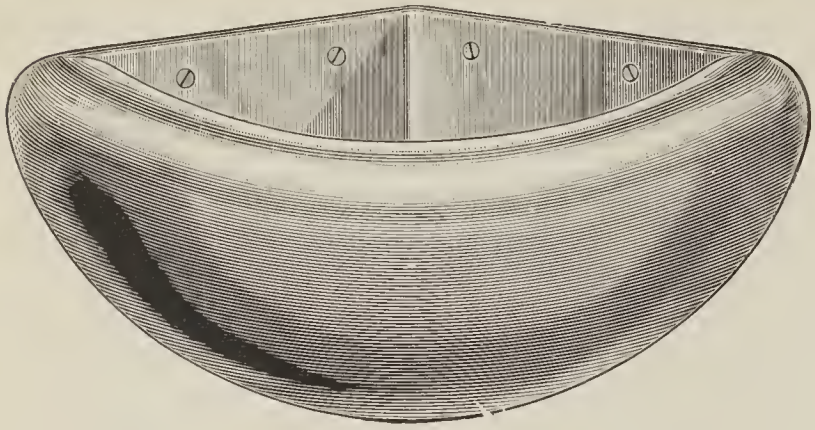


Figure 191A

STALL MANGER

(Roll Guard)

Size 17″ x 17″ x 10″ $4.00

We carry the "Slow Feed" Manger in stock.

STALL WINDOW GUARD

(With Sheet Steel Sides)

For windows hinged at bottom.

Protects window and prevents direct draft on horse.

Prices on application.

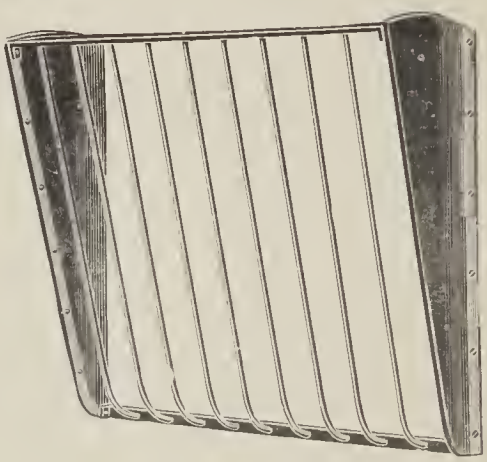


Figure 332A

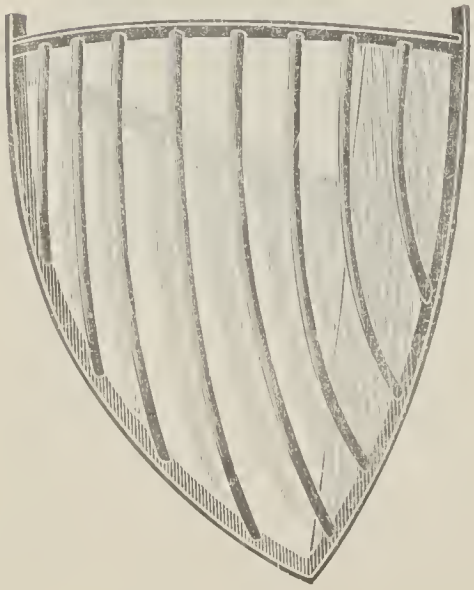


Figure 182A

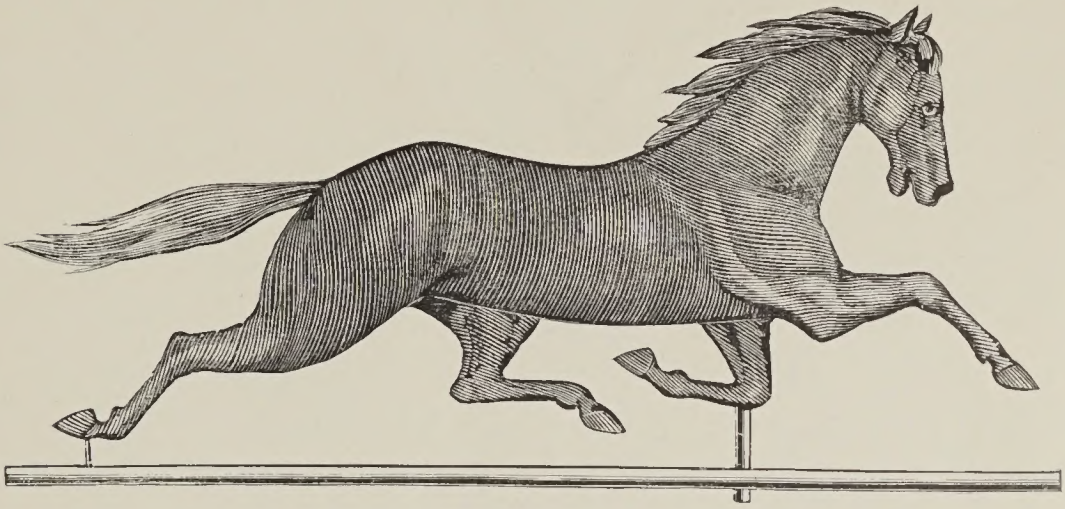
WROUGHT IRON HAY RACK

No. 12—Frame, 1″ Channel; uprights, ½″ Round Iron **$5.00**

No. 13—Same as above with six bars instead of eight **3.75**

Special hayracks made to order.

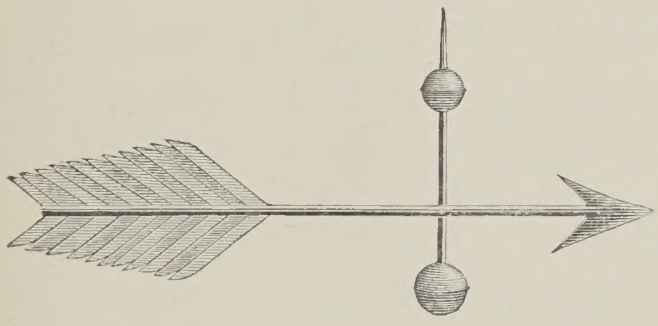
PATCHEN WEATHER VANE



No. 500W—Length, 35″ $36.00

No. 501W—Length, 42″ 46.00

Complete with letters, rod and balls—gilded



ARROW VANE

24″ long—complete.	$12.00
30″ long—complete.	15.00
36″ long—complete.	20.00
42″ long—complete.	24.00

We can make any style silhouette vanes from architects' drawings

STABLE GUTTER AND COVER

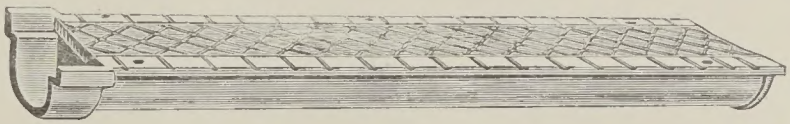


Figure 209A

(For Cement or Wood Floors — Cast in Five-Foot Sections)

Gutter and Cover ..... per foot $2.25

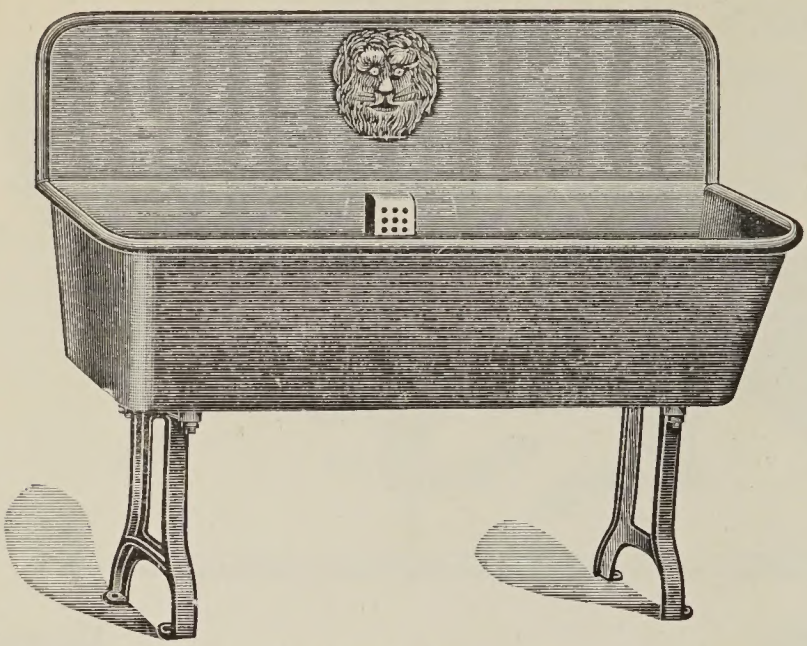


Figure 243A

WATER TROUGH

No. 2—30″ x 18″ x 12″ . **$37.50**

No. 3—36″ x 18″ x 12″ . **46.50**

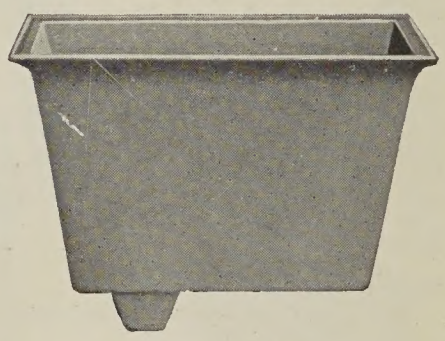
No. 4—42″ x 18″ x 12″ . **51.50**

No. 5—48″ x 18″ x 12″ . **56.50**

Fitted with overflow and plug strainer

CAST IRON SINK

No. 74W—16″ x 16″ x 10″	**$6.00**
No. 75W—20″ x 14″ x 12″	**7.00**
No. 76W—24″ x 20″ x 12″	**9.00**
No. 77W—30″ x 20″ x 12″	**13.00**
No. 78W—36″ x 20″ x 12″	**15.00**



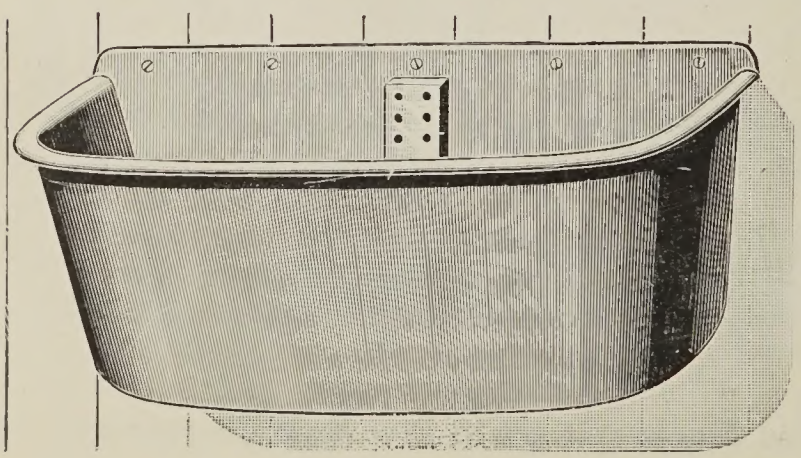


Figure 245A

SIDE WALL TROUGH

No. 13—25″ x 14″ x 12″ . **$16.50**

No. 14—30″ x 18″ x 12″ . **22.50**

Fitted with over flow and plug strainer.

AVERY LIBRARY
COLUMBIA UNIVERSITY

ABBOTT PRESS
WAKEFIELD, MASS.